

# SPECIFICATIONS



## 17 MW 2007 New Siemens SGT-500 Dual Fuel (Natural Gas & HFO) Turbine Generator Set

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## Description

This 17 MW dual fuel gas turbine generator set, manufactured in 2007, represents a versatile and reliable power generation solution engineered for industrial facilities, district energy systems, manufacturing plants, and small to medium-scale utility applications. The unit's sophisticated dual fuel capability enables seamless operational switching between natural gas and heavy fuel oil, providing unparalleled flexibility in fuel selection and cost optimization strategies based on prevailing market conditions, regional supply availability, and economic dispatch requirements. This fuel flexibility ensures continuous power generation even during natural gas supply interruptions or price volatility, making it an essential asset for mission-critical operations requiring guaranteed uptime and operational resilience.

Featuring industrial-grade construction with advanced combustion technology, this turbine generator set delivers reliable distributed generation performance across a wide range of operating conditions and duty cycles. The combustion system incorporates proven design principles that optimize thermal efficiency while maintaining emissions compliance across both fuel types. The unit's compact footprint and modular design philosophy facilitate installation in space-constrained industrial sites, urban locations, and retrofit applications where real estate availability presents constraints.

The 17 MW capacity range positions this equipment ideally for cogeneration and combined heat and power applications where both electrical generation and thermal energy recovery provide significant operational and economic benefits. Industrial facilities can utilize exhaust heat for process steam generation, district heating networks, absorption chilling, or other thermal applications, dramatically improving overall system efficiency. The turbine's fast response characteristics enable effective load following, frequency regulation, and grid support services, making it suitable for both baseload continuous operation and flexible peaking duty cycles. As new equipment from 2007, this generator set offers extended operational lifecycle potential with minimal degradation, providing decades of reliable service when maintained according to specifications.

### KEY FEATURES:

- 17 MW power generation capacity for mid-scale industrial applications
- Compact modular design reducing installation footprint requirements
- Proven mechanical drive configuration for industrial processes

### ADVANTAGES

- Fuel flexibility mitigating supply chain disruptions and price volatility
- Ideal capacity range for distributed generation and microgrids
- New condition equipment ensuring extended operational lifecycle

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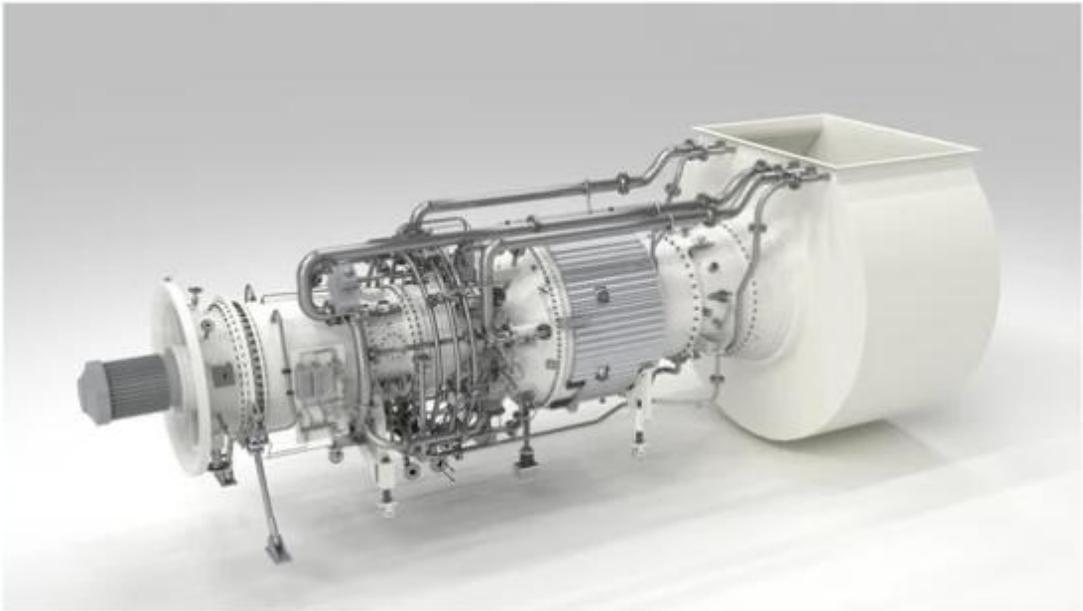
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<b>Manufacturer</b>	Siemens
<b>Model</b>	SGT-500
<b>Year</b>	2007
<b>Condition</b>	New
<b>Location</b>	Asia
<b>Qty Available</b>	2 Units
<b>Category</b>	Natural Gas Turbines
<b>Subcategory</b>	10 – 99 MW
<b>Stock Number</b>	USP010965
<b>Wattage</b>	17 MW ea
<b>Hours</b>	Zero
<b>Frequency</b>	60 Hz
<b>Fuel Type</b>	Dual Fuel (Natural Gas & HFO)
<b>Voltage</b>	13800 Volts
<b>Balance of Plant Available? (BOP)</b>	-

# Asset Photos

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## Usp&e



**Image shown may not reflect actual configuration.**